AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT	1	. CONTRACT ID CODE	PAGE 1	OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQU	SITION/PURCHASE REQ. NO.		NO. (If applicable)
011	07/02/2014	See S	chedule		
6. ISSUED BY CODE	SRRPOD	7. ADMII	NISTERED BY (If other than Item 6)	CODE	
SRRPOD US ENVIRONMENTAL PROTECTION SUPERFUNDRCRA REGIONAL PROCU OPERATIONS 1200 PENNSYLVANIA AVE NW WASHINGTON DC 20460				<u> </u>	
8. NAME AND ADDRESS OF CONTRACTOR (No., street	ot, county, State and ZIP Code)	60 9A. A	MENDMENT OF SOLICITATION NO.		
ALION SCIENCE AND TECHNOLOGY ATTN (b)(4) 1000 BURR RIDGE PKWY (b)(4) BURR RIDGE IL 605270849		9B. C x 10A. EP-	MODIFICATION OF CONTRACT/ORDI W-07-083	ER NO.	
CODE (b)(4)	FACILITY CODE		/25/2013		
	11. THIS ITEM ONLY APPLIES				
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off	prior to the hour and date specified in opies of the amendment; (b) By ackrown to the solicitation and amendment OFFERS PRIOR TO THE HOUR A er already submitted, such change r	in the solicitation nowledging recein numbers. FAIL ND DATE SPEC may be made by	or as amended, by one of the following pt of this amendment on each copy of the URE OF YOUR ACKNOWLEDGEMEN CIFIED MAY RESULT IN REJECTION O	he offer submitted; of T TO BE RECEIVED OF YOUR OFFER.	ompleting or (c) By O AT If by
to the solicitation and this amendment, and is received  12. ACCOUNTING AND APPROPRIATION DATA (if re-	an vien d)	•		** 014 0	
See Schedule	equirea)	Net Incr	ease:	\$4,914.84	t
CHECK ONE  A. THIS CHANGE ORDER IS ISSUED ORDER NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	ACT/ORDER IS MODIFIED TO REF TH IN ITEM 14, PURSUANT TO THE	LECT THE ADM E AUTHORITY (	IINISTRATIVE CHANGES (such as cha DF FAR 43.103(b).		
D. OTHER (Specify type of modification	n and authority)				
X B.5 LIMITATION OF	THE GOVERNMENT'S C	BLIGATIO	NS UNDER TASK ORDER	S (APR 201	.2)
E. IMPORTANT: Contractor X is not.	is required to sign this docume	ent and return	0 copies to the is	ssuing office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: (b)(4)  TOPO: Ness Tirol Max Expire The purpose of this modification increased from \$60,811.	Date: 09/25/2014 ation is to obliga	te funds	in the amount of \$4		Funding
LIST OF CHANGES: Reason for Modification : F Obligated Amount for this M New Total Obligated Amount	odification: \$4,91	4.84			
Continued  Except as provided herein, all terms and conditions of 15A. NAME AND TITLE OF SIGNER (Type or print)	the document referenced in Item 9A	16A. N	tofore changed, remains unchanged an AME AND TITLE OF CONTRACTING S Miller		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGN		Paul Miller	ELECTRONIC SIGNATURE	16C. DATE SIGNED
(Signature of person authorized to sign)					

CONTINUATION SHEET	REFERENCE NO.	CUMENT BEING CONTINUED	PAGE	OF
	EP-W-07-083/	0047/011	2	2

NAME OF OFFEROR OR CONTRACTOR

M NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
A)	(B)	(C)	(D)	(E)	(F)
	CHANGES FOR LINE ITEM NUMBER: 41				
	Obligated Amount for this modification: \$4,914.84				
	<pre>Incremental Funded Amount changed from \$60,811.07 to \$65,725.91</pre>				
	(0 \$65,725.91		L		
	NEW ACCOUNTING CODE ADDED:				
	Account code:		)		
	14-15-B-02P-401CJ1XW2-2505-1402HE1069-002		}		
	DCN-LineID 1402HE1069-002		ł	1	
	Amount: \$4,914.84				
	Delivery Location Code: RECON SHIP				
	RECONSTRUCT SHIP TO				
	WASHINGTON DC USA			,	
	Period of Performance: 09/26/2013 to 09/25/2014				
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AMENDMENT OF SOLICITATION/MODIFIC	CATION OF CONTRACT		1. CONTRACT ID CODE		E OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJEC	- 2 T NO. (If applicable)
010	See Block 16C	PR-S	RRPOD-14-00154		
6. ISSUED BY CODE	SRRPOD	7. ADN	IINISTERED BY (If other than Item 6)	CODE	
SRRPOD US ENVIRONMENTAL PROTECTION SUPERFUNDRCRA REGIONAL PROCU OPERATIONS 1200 PENNSYLVANIA AVE NW WASHINGTON DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., street	t, county, State and ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.		
ALION SCIENCE AND TECHNOLOGY ATTN (b)(4)  1000 BURR RIDGE PKWY (b)(4)  BURR RIDGE IL 605270849	CORPORATION	9B.  X 10A EF	DATED (SEE ITEM 11)  MODIFICATION OF CONTRACT/ORDER N -W-07-083 47 DATED (SEE ITEM 13)	IO.	
CODE (b)(4)	FACILITY CODE		9/25/2013		
	11. THIS ITEM ONLY APPLIES				
The above numbered solicitation is amended as set for				nded Dia	not extended.
separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF 0 virtue of this amendment you desire to change an offer to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If required)	to the solicitation and amendment r DFFERS PRIOR TO THE HOUR AN ir already submitted, such change m d prior to the opening hour and date	numbers. FAI ND DATE SPE nay be made b	CIFIED MAY RESULT IN REJECTION OF YOU telegram or letter, provided each telegram o	BE RECEIVE OUR OFFER.	ED AT If by reference
See Schedule					
			DIFIES THE CONTRACT/ORDER NO. AS DE		
ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority)	THE CHANG	ES SET FORTH IN ITEM 14 ARE MADE IN T	HE CONTRA	
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH C. THIS SUPPLEMENTAL AGREEMEN			MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b). TY OF:	in paying offi	эе,
D. OTUED (Const. to a first first for	and and and analysis				
D. OTHER (Specify type of modification  X B.5 LIMITATION OF T		OT TCAMT/	ONS UNDER TASK ORDERS (	מחת	
	is required to sign this documen		O copies to the issuing		-41
14. DESCRIPTION OF AMENDMENT/MODIFICATION OF DUNS Number: (b)(4)	(Organized by UCF section heading			-	
TOPO: Ness Tirol Max Expire Notes The purpose of this modification		anto co	00 00 for mobilization	0 m th 0 . III	look Onder
38 under this same contract. \$60,811.07		_			
LIST OF CHANGES:					
Reason for Modification : Oth					
Obligated Amount for this Moo			F		
New Total Obligated Amount for		,811.07			
Incremental Funded Amount characteristics Continued	anged: from				
Except as provided herein, all terms and conditions of the	e document referenced in Item 94 o	r 10A as here	tofore changed, remains unchanged and in fu	Il force and el	řect
15A. NAME AND TITLE OF SIGNER (Type or print)	= === mark range and and and and	16A. N	AME AND TITLE OF CONTRACTING OFFIC		
45D OONTDAGTOD/OFFFE	450 8475 8:3::-		s Miller		Lion BATE O'C'
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNE		Faul Miller	LECTRONIC	16C. DATE SIGNED
(Signeture of person authorized to sign)			, -0.		1

 CONTINUATION SHEET
 REFERENCE NO. \_\_UMENT BEING CONTINUED
 PAGE OF EP-W-07-083/0047/010
 2
 2
 2
 2

NAME OF OFFEROR OR CONTRACTOR

170	SUPPLIES/SERVICES	QUANTITY	1	UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	\$61,709.95 to \$60,811.07				
	CHANGES FOR LINE ITEM NUMBER: 41				
	Obligated Amount for this modification: -\$898.88				
	Incremental Funded Amount changed from \$61,709.95				
	to \$60,811.07				
i	Changes to Accounting Line:				
	13-14-B-02P-202BE2XW2-2505-1302HE0028-002:				
i	-\$898.88				
	Note to RTP: The funding line above is decreased				
	by \$898.88 for reobligation onto Task Order 38				
	under this same contract.				
	Total Ceiling Amount: \$80,320.00				
	Total Labor Hours: 1,440.0				
	Total Funding: \$60,811.07				
	Period of Performance: 09/26/2013 to 09/25/2014				
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AMENDMENT OF SOLICITATION/MODIFIC	ATION OF CONTRACT		1. CONTRACT ID CODE	PAGE O	PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	IA BEC	UISITION/PURCHASE REQ. NO.	5. PROJECT NO	2
009			2-14-00144	b. PROJECT NO	). (Іт арріісавів)
6. ISSUED BY CODE	See Block 16C		MINISTERED BY (If other than Item 6)	CODE	
	SKRPUD		The state of the s	5552	
SRRPOD US ENVIRONMENTAL PROTECTION	ACENCY				
SUPERFUNDRCRA REGIONAL PROCU					
OPERATIONS	KEMENI				
1200 PENNSYLVANIA AVE NW		- 1			
WASHINGTON DC 20460					
8. NAME AND ADDRESS OF CONTRACTOR (No., street	, county, State and ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.		
		~/			
ALION SCIENCE AND TECHNOLOGY	CORPORATION		DATED (OCCUPANT)		
ATTN (b)(4)		98.	DATED (SEE ITEM 11)		
1000 BURR RIDGE PKWY (b)(4)					
. , , ,		x 10/	MODIFICATION OF CONTRACT/ORDER	10.	
BURR RIDGE IL 605270849		E	P-W-07-083		
			047		
			B. DATED (SEE ITEM 13)		
CODE (b)(4)	FACILITY CODE	0	9/25/2013		
	14. THE THE ONLY APPLIE	S TO AMEN N	ENTS OF SOLICITATIONS		
☐ The above numbered solicitation is amended as set for	orth in Item 14. The hour and date	specified for re	ceipt of Offersis exte	nded, 🗌 is not e	xtended.
virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is received 12. ACCOUNTING AND APPROPRIATION DATA (If req. See Schedule	prior to the opening hour and da			3,000.00	
	ODIEICATION OF CONTRACTOR	DDDEDG ITM	DDIFIES THE CONTRACT/ORDER NO. AS DE	CONDED IN ITEM	
IS. THIS TIEM ONLY APPLIES TO M	ODIFICATION OF CONTRACTS/C	JKDEKS. II MI	DDIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED IN ITEM	174.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED FORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority	y) THE CHANG	ES SET FORTH IN ITEM 14 ARE MADE IN T	THE CONTRACT	
B. THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH	CT/ORDER IS MODIFIED TO REF I IN ITEM 14, PURSUANT TO TH	FLECT THE AD IE AUTHORITY	MINISTRATIVE CHANGES (such as changes OF FAR 43.103(b).	in paying office,	
C. THIS SUPPLEMENTAL AGREEMEN	T IS ENTERED INTO PURSUAN	T TO AUTHORI	TY OF:		
D. OTHER (Specify type of modification	and authority)				
X B.5 LIMITATION OF T	HE GOVERNMENT'S	OBLIGATI	ONS UNDER TASK ORDERS (	(APR 2012)	
	is required to sign this docum		O copies to the issuin	· · · · · · · · · · · · · · · · · · ·	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: (b)(4)				-	
TOPO: Ness Tirol Max Expire	Date: 09/25/2014				•
The purpose of this modification		+~ ¢3 00	00 to this task order	Funding	i a
				Funding	12
hereby increased from \$58,70	9.95 by \$3,000.00	) to sor,	709.95.		
LIST OF CHANGES:					
Reason for Modification : Fu	-				
Obligated Amount for this Mo	dification: \$3,00	00.00			
New Total Obligated Amount fo	or this Award: \$6	51,709.95	5		
CHANGES FOR LINE ITEM NUMBER	: 41				
Continued	• 34				
	a donument reference dire to a con-	V == 404 · · · ·	totale about the second	ill forms =l	
Except as provided herein, all terms and conditions of the 15A. NAME AND TITLE OF SIGNER (Type or print)	e document referenced in Item 9A		etofore changed, remains unchanged and in functions of the same of		
The state of the s				oen (rype or print	,
		Ros	s Miller		
15B. CONTRACTOR/OFFEROR	15C. DATE SIGN	NED 16	12/01/11	16	C. DATE SIGNED
		. 4	Tank Miller	SIGNATURE 0	4/03/2014
(Signature of person authorized to sign)					

CONTINUE TION OFF	REFERENCE NO. OFMENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	EP-W-07-083/0047/009	2	2

NAME OF OFFEROR OR CONTRACTOR

TEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	Obligated Amount for this modification: \$3,000.00				
	Incremental Funded Amount changed from \$58,709.95	4			
	to \$61,709.95				
	NEW ACCOUNTING CODE ADDED:	1	1		
	Account code:	1		:	
	14-15-B-02P-102A59XW2-2505-1402HE1069-001		1		
	Beginning FiscalYear 14	ļ			
	Ending Fiscal Year 15	1	}		
	Fund (Appropriation) B	ł			
	Budget Organization 02P				
	Program (PRC) 102A59XW2				
	Budget (BOC) 2505				
,	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1402HE1069-001		j		
	Amount: \$3,000.00				
	Total Ceiling Amount: \$80,320.00			1	
	Total Labor Hours: 1,440.0				
	Total Funding: \$61,709.95				
	Period of Performance: 09/26/2013 to 09/25/2014			<b>\</b>	
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AMENDMENT OF SOLICITATION/MODIFIC	CATION OF CONTRACT	1. CONTRACT ID CODE	PAGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQUISITION/PURCHASE REQ	NO.   5. PROJECT NO. (If applicable)
008	See Block 16C	PR-R2-14-00144	
6. ISSUED BY CODE		7. ADMINISTERED BY (If other tha	n Item 6) CODE
SRRPOD			L
US ENVIRONMENTAL PROTECTION	AGENCY		
SUPERFUNDRCRA REGIONAL PROC			
OPERATIONS			
1200 PENNSYLVANIA AVE NW			·
WASHINGTON DC 20460			
8. NAME AND ADDRESS OF CONTRACTOR (No., stre	et, county, State and ZIP Code)	(x) 9A. AMENDMENT OF SOLICITA	ATION NO.
ALION SCIENCE AND TECHNOLOGY	CORPORATION		
ATTN (b)(4)		9B. DATED (SEE ITEM 11)	
LOOO BURR RIDGE PKWY		·	
0)(4)		10A. MODIFICATION OF CONT	PACT/OPDED NO
BURR RIDGE IL 605270849		EP-W-07-083	RACITORDER NO.
		0047	
		10B. DATED (SEE ITEM 13)	
CODE (b)(4)	FACILITY CODE	09/25/2013	
	11. THIS ITEM ONLY APPLIES	TO AMENDMENTS OF SOLICITATIONS	
☐ The above numbered solicitation is amended as set	forth in Item 14. The hour and date si	pecified for receipt of Offers	☐ is extended, ☐ is not extended.
Offers must acknowledge receipt of this amendment			
Items 8 and 15, and returning c	opies of the amendment; (b) By ackno	wledging receipt of this amendment on ea	ch copy of the offer submitted; or (c) By
separate letter or telegram which includes a reference			
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off			
to the solicitation and this amendment, and is receive			
12. ACCOUNTING AND APPROPRIATION DATA (If re	equired)	et Increase:	\$14,332.51
See Schedule			
13. THIS ITEM ONLY APPLIES TO	MODIFICATION OF CONTRACTS/OR	DERS. IT MODIFIES THE CONTRACT/OF	RDER NO. AS DESCRIBED IN ITEM 14.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED	PURSUANT TO: (Specify authority)	THE CHANGES SET FORTH IN ITEM 14	ARE MADE IN THE CONTRACT
ORDER NO. IN ITEM 10A.			
B. THE ABOVE NUMBERED CONTRA	CT/ORDER IS MODIFIED TO REFLI	CT THE ADMINISTRATIVE CHANGES ( AUTHORITY OF FAR 43.103(b).	such as changes in paying office,
appropriation date, etc.) SET FORT	HINTIEM 14, PURSUANT TO THE	AUTHORITY OF FAR 43,103(b).	
C. THIS SUPPLEMENTAL AGREEME	NT IS ENTERED INTO PURSUANT 1	O AUTHORITY OF:	
D. OTHER (Specify type of modification	n and authority)		
X B.5 LIMITATION OF	THE GOVERNMENT'S OF	LIGATIONS UNDER TASK	ORDERS (APR 2012)
E. IMPORTANT: Contractor 🗵 is not,	is required to sign this documen	t and return 0 co	pies to the issuing office.
14. DESCRIPTION OF AMENDMENT/MODIFICATION			•
DUNS Number: (b)(4)	(Organized by COI Section Heading	s, merading solicitation/contract subject me	atter where reading.
TOPO: Ness Tirol Max Expire	Dato: 09/25/2014		
<del>-</del>		a funding in the emer	ant of \$14 222 51 to this
The purpose of this modification			
task order. Total funding	is hereby increased	from \$44,3//.44 by	\$14,332.51 to
\$58,709.95.			
LIST OF CHANGES: Reason for	Modification : Fun	ding Only Action	
Obligated Amount for this Mo	odification: \$14,33	2.51	
New Total Obligated Amount	for this Award: \$58	,709.95	
Incremental Funded Amount ch			
Continued		· ·	
Continued	to demonstrate to the second	404 as basis from all the second	designed and is full formation of the
Except as provided herein, all terms and conditions of t	ne document referenced in Item 9A o		
15A. NAME AND TITLE OF SIGNER (Type or print)		IOM. INMINIE AIND THEE OF CON	FRACTING OFFICER (Type or print)
		Ross Miller	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNE		_ 16C. DATE SIGNED
		15 and STA	ELECTRONIC
(Signature of person euthorized to sign)		11/2000/K	SIGNATURE 04/03/2014
1 - g	1		

CONTINUATION CUEET	REFERENCE NO. OF MENT BEING CONTINUED	PAGE	OF
CONTINUATION SHEET	1	2	2

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	CHANGES FOR LINE ITEM NUMBER: 41				
	Obligated Amount for this modification: \$14,332.51	1			
	NEW ACCOUNTING CODE ADDED:				
	Account code:				W
	14-15-B-02P-401CJ1XW2-2505-1402HE1069-002				
	Beginning FiscalYear 14				
	Ending Fiscal Year 15				
	Fund (Appropriation) B			·	
,	Budget Organization 02P				
	Program (PRC) 401CJ1XW2				
	Budget (BOC) 2505				0
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1402HE1069-002				
	Amount: \$2,085.16			*	
	MEN AGGOINMETING GODE ADDED				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	14-15-B-02P-501E50XW2-2505-1402HE1069-004				
	Beginning FiscalYear 14				
	Ending Fiscal Year 15				
	Fund (Appropriation) B				
	Budget Organization 02P	-			
	Program (PRC) 501E50XW2				
	Budget (BOC) 2505				
	Job # (Site/Project)				-
	Cost Organization				
	DCN-LineID 1402HE1069-004				
	Amount: \$10,000.00				
	NEW ACCOUNTING CODE ADDED:				
	Account code:				
	14-15-B-02P-102A59XW2-2505-1402HE1069-001				
	Beginning FiscalYear 14				
	Ending Fiscal Year 15				
	Fund (Appropriation) B				
	Budget Organization 02P				
	Program (PRC) 102A59XW2				
	Budget (BOC) 2505				in the state of th
	Job # (Site/Project)				
	Cost Organization				
	DCN-LineID 1402HE1069-001				
	Amount: \$2,247.35				
	Famoure: \$2,247.33	İ			
	Total Ceiling Amount: \$80,320.00 / Total Labor				
	Hours: 1,440.0 / Total Funding: \$58,709.95	İ		,	
	and the second s				
	Period of Performance: 09/26/2013 to 09/25/2014			·	
				P 4.	
				i.	

AMENDMENT OF SOLICITATION/MODIFIC	CATION OF CONTRACT		CONTRACT ID CODE	PA	AGE OF	PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PROJ		. (If applicable)
007	See Block 16C	PR-S	RRPOD-14-00153			
6. ISSUED BY CODE	SRRPOD	7. ADN	MINISTERED BY (If other than Item 6)	CODE		
SRRPOD						
US ENVIRONMENTAL PROTECTION	AGENCY	1				
SUPERFUNDRCRA REGIONAL PROC	UREMENT					
OPERATIONS		1				
1200 PENNSYLVANIA AVE NW						
WASHINGTON DC 20460	4	100	AMENDMENT OF COLIGITATION NO			
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et, county, State and ZIP Code)	(x) SA.	AMENDMENT OF SOLICITATION NO.			
ALION SCIENCE AND TECHNOLOGY	CORPORATION					
ATTN(b)(4)		9B.	DATED (SEE ITEM 11)			
1000 BURR RIDGE PKWY		1 1				
(b)(4)		104	MODIFICATION OF CONTRACT/ORDER NO	3		
BURR RIDGE IL 605270849			-W-07-083	<b>,</b> .		
<u> </u>		00	47			
		10B	DATED (SEE ITEM 13)			
CODE (b)(4)	FACILITY CODE	0:	9/25/2013			
	11. THIS ITEM ONLY APPLIES TO	O AMENDM	ENTS OF SOLICITATIONS			
The above numbered solicitation is amended as set f	orth in Item 14. The hour and date soc	ecified for re-	eipt of Offers  is extend	ded,	is not ex	tended.
virtue of this amendment you desire to change an offe to the solicitation and this amendment, and is receive 12. ACCOUNTING AND APPROPRIATION DATA (If rec	ed prior to the opening hour and date sp			, 377.		ince
See Schedule	110	CC IIIC.	vo.	, 5 , , .		
13. THIS ITEM ONLY APPLIES TO N	MODIFICATION OF CONTRACTS/ORD	ERS. IT MO	DIFIES THE CONTRACT/ORDER NO. AS DES	CRIBED	N ITEM 1	4.
CHECK ONE A. THIS CHANGE ORDER IS ISSUED I ORDER NO. IN ITEM 10A.	PURSUANT TO: (Specify authority) TI	HE CHANGE	S SET FORTH IN ITEM 14 ARE MADE IN TH	E CONTR	(ACT	
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	CT/ORDER IS MODIFIED TO REFLEC H IN ITEM 14, PURSUANT TO THE AI	OT THE ADN	IINISTRATIVE CHANGES (such as changes in DF FAR 43.103(b).	paying o	ffice,	
C. THIS SUPPLEMENTAL AGREEMEN	IT IS ENTERED INTO PURSUANT TO	AUTHORIT	Y OF:			
D. OTHER (Specify type of modification	and authority)					
	•	TCATT	NS UNDER TASK ORDERS (A	מם	1121	
					1121	
E. IMPORTANT: Contractor X is not.	is required to sign this document a					
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: (b)(4)	(Organized by UCF section headings,	including so	icitation/contract subject matter where feasible	·.)		
	D-1 00 /05 /0014					
COPO: Ness Tirol Max Expire	Date: 09/25/2014					
The purpose of this modifica			,377.44 from Task Order	#003	8. F	unding
s hereby increased from \$36.	,000.00 to \$44,377.	44.				
he ceiling is unchanged at	\$80,320.00.					
IST OF CHANGES:						
Continued						
Except as provided herein, all terms and conditions of the	e document referenced in Item 9A or 1	0A, as heret	ofore changed, remains unchanged and in full f	orce and	effect.	
15A. NAME AND TITLE OF SIGNER (Type or print)			ME AND TITLE OF CONTRACTING OFFICE			
			Miller			
I5B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16	101 / m "	CTOAN	16C.	DATE SIGNED
			Toul Miller "	ar i muriin Matricki	0.4	/02/2014
(Signature of person authorized to sign)		-	A	MINN I CAN	* J J J	, , , , , , , , ,

CONTINUES TION OFFEET	REFERENCE NO. OF-MENT BEING CONTINUED	PAGE C	)F
CONTINUATION SHEET	EP-W-07-083/0047/007	2	2

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	<b>ИИІТ</b> (Ď)	UNIT PRICE	AMOUNT
	Reason for Modification: Funding Only Action Obligated Amount for this Modification: \$8,377.44 New Total Obligated Amount for this Award: \$44,377.44 Incremental Funded Amount changed: from \$36,000.00 to \$44,377.44				
	CHANGES FOR LINE ITEM NUMBER: 41 Obligated Amount for this modification: \$8,377.44 Incremental Funded Amount changed from \$36,000.00 to \$44,377.44				
	CHANGES FOR ACCOUNTING CODE: 13-E4-D100AG7-301D79-2505-GQ00BZ00-13D1D2E001-001 Amount changed from \$10,000.00 to \$18,377.44			a.	
	Period of Performance: 09/26/2013 to 09/25/2014				
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		v			

AMENDMENT	OF SOLICITATION/MODIFIC	ATION OF C	ONTRACT		CONTRACT ID CODE		PAGE OF	PAGES
2. AMENDMENT/M	ODIFICATION NO.	3. EFFECTIVE	DATE	4. RE	UISITION/PURCHASE REQ. NO.	5. PR	OJECT NO.	(If applicable)
006		See Bloo	ck 16C	PR-S	SRRPOD-14-00130			
6. ISSUED BY	CODE	SRRPOD		7. AD	MINISTERED BY (If other than Item 6)	CODE		
SUPERFUNDE OPERATIONS	SYLVANIA AVE NW		,					
8. NAME AND ADD	DRESS OF CONTRACTOR (No., street	t, county, State and	ZIP Code)	(x) 9A	AMENDMENT OF SOLICITATION NO.			
ATTN (b)(4) 1000 BURR (b)(4)	NCE AND TECHNOLOGY RIDGE PKWY IL 605270849	CORPORAT	_	x E 0	A. MODIFICATION OF CONTRACT/ORDER NO P-W-07-083	O.		
CODE 1/h)/4)		T FACILITY COF			B. DATED (SEE ITEM 13)			
CODE (b)(4)		FACILITY COL			09/25/2013			
	pered solicitation is amended as set for				MENTS OF SOLICITATIONS  eceipt of Offers  is exter		☐ is not ex	
Items 8 and 15, separate letter o THE PLACE DE virtue of this among to the solicitation	and returning color r telegram which includes a reference SIGNATED FOR THE RECEIPT OF	pies of the amen to the solicitatio OFFERS PRIOR or already submit d prior to the ope	dment; (b) By acknowledgen and amendment number TO THE HOUR AND DAted, such change may be ning hour and date specif	ging re ers. FA TE SP made fied.	ion or as amended, by one of the following metrocipt of this amendment on each copy of the offi NLURE OF YOUR ACKNOWLEDGEMENT TO ECIFIED MAY RESULT IN REJECTION OF YOU by telegram or letter, provided each telegram or	er subr BE RE OUR Of	nitted; or (c) CEIVED AT FFER. If by makes refer	) By
See Sched		juirea)	Net	Dec	crease: -\$	3,4	62.65	
	13. THIS ITEM ONLY APPLIES TO M	ODIFICATION O	F CONTRACTS/ORDERS	S. IT N	ODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIB	ED IN ITEM	14.
CHECK ONE A.	THIS CHANGE ORDER IS ISSUED F ORDER NO. IN ITEM 10A.	PURSUANT TO:	(Specify authority) THE	CHAN	GES SET FORTH IN ITEM 14 ARE MADE IN TI	HE CO	NTRACT	
	THE ABOVE NUMBERED CONTRAC appropriation date, etc.) SET FORTH THIS SUPPLEMENTAL AGREEMEN				OMINISTRATIVE CHANGES (such as changes of OF FAR 43.103(b).  RITY OF:	in payli	ng office,	
D.	OTHER (Specify type of modification	and authority)		· · · · · · · · · · · · · · · · · · ·				
X M	JTUAL AGREEMENT BY	THE PART	IES					
E. IMPORTANT:	Contractor 🗵 is not,	is required t	o sign this document and	return	0 copies to the issuing	office.	,	
DUNS Number TOPO: Ness The purpos	er: (b)(4)  Tirol Max Expire e of this modifica on onto Task Order	Date: 09	/25/2014 to deobligate	e \$3	solicitation/contract subject matter where feasible, 462.65 from this task decreased from \$39,462.	orde		462.65
LIST OF CH								
	Modification: Ot	_		_	n			
	Amount for this Mo				.0			
	Obligated Amount f							
Continued	l Funded Amount ch	anged: I	rom \$39,462.6	55 t	.0 \$30,000.00			
_		ne document refe	renced in Item 9A or 10A	as he	pretofore changed, remains unchanged and in fu	ll force	and effect.	
	TITLE OF SIGNER (Type or print)			-,	NAME AND TITLE OF CONTRACTING OFFICE			1
				Ro	ss Miller			
15B. CONTRACTO			15C. DATE SIGNED	16B.	UNITED STATES OF AMERICA		160	C. DATE SIGNED
(Sign	ature of person authorized to sign)				(Signature of Contracting Officer)		DD FODIA	/ ///

	REFERENCE NO. OFIENT BEING CONTINUED	PAGE (	)F
CONTINUATION SHEET	EP-W-07-083/0047/006	2	2

NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT	UNIT PRICE (E)	AMOUNT 〈F〉
	CHANGES FOR LINE ITEM NUMBER: 41 Obligated Amount for this modification: -\$3,462.65 Incremental Funded Amount changed from \$39,462.65 to \$36,000.00				
	NOTE TO RTP: Accounting Code #13-14-B-02P-202BE2XW2-25051302HE0028-002 in the amount of \$3,462.65 is to reobligated to Task Order #38. Period of Performance: 09/26/2013 to 09/25/2014				
	Terror of Terror mance. 03/20/2013 to 03/23/2014				
	*				
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AMENDMENT OF SOLICITATION/MODIFIC	CATION OF C	ONTRACT		CONTRACT ID CODE	P	AGE OF PAGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE			EQUISITION/PURCHASE REQ. NO.	5. PRO	JECT NO. (If applicable)
005	See Bloo	k 16C	PR-	SRRPOD-14-00129		
6. ISSUED BY CODE	SRRPOD		7. A	DMINISTERED BY (If other than Item 6)	CODE	
SRRPOD	<b>L</b> ,					
US ENVIRONMENTAL PROTECTION	AGENCY					
SUPERFUNDRCRA REGIONAL PROCU	UREMENT			2		
OPERATIONS						
1200 PENNSYLVANIA AVE NW						
WASHINGTON DC 20460		7/0 0 - 4-1	10	A AMENDMENT OF COLICITATION NO		
8. NAME AND ADDRESS OF CONTRACTOR (No., street	et, county, State and	ZIP Code)	(x)	PA. AMENDMENT OF SOLICITATION NO.		
ALION SCIENCE AND TECHNOLOGY ATTN (b)(4)	CORPORAT	CION CION	ę	B. DATED (SEE ITEM 11)		
1000 BURR RIDGE PKWY						
(b)(4)		_	1	OA. MODIFICATION OF CONTRACT/ORDER N	10	
BURR RIDGE IL 605270849			×	EP-W-07-083	Ю.	
			(	0047		<i>4</i>
			1	OB. DATED (SEE ITEM 13)		
CODE (b)(4)	FACILITY COD	ΡĒ		09/25/2013		
	11. THIS ITE	M ONLY APPLIES TO AN	VEN	DMENTS OF SOLICITATIONS		
The above numbered solicitation is amended as set f	forth in Item 14. T	he hour and date specifie	d for	receipt of Offersis exter	nded,	is not extended.
Offers must acknowledge receipt of this amendment	prior to the hour a	nd date specified in the se	olicit	ation or as amended, by one of the following met	hods: (a)	By completing
Items 8 and 15, and returning co	opies of the amen	dment; (b) By acknowledg	ging r	receipt of this amendment on each copy of the of	fer submit	ited; or (c) By
separate letter or telegram which includes a reference						
THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off						
to the solicitation and this amendment, and is receive				e by telegram or letter, provided each telegram o	i lottoi ille	1103 101010100
12. ACCOUNTING AND APPROPRIATION DATA (If re	equired)	Net	De	crease: -S	\$5,53	7.35
See Schedule		1,00	DC	.crcase.	70,00	7.55
13. THIS ITEM ONLY APPLIES TO I	MODIFICATION O	F CONTRACTS/ORDERS	. IT	MODIFIES THE CONTRACT/ORDER NO. AS DE	SCRIBED	IN ITEM 14.
CHECK ONE A THIS CHANGE ORDER IS ISSUED	PURSUANT TO:	(Specify authority) THE (	CHA	NGES SET FORTH IN ITEM 14 ARE MADE IN T	HE CON	TRACT
ORDER NO. IN TEW TOA.						
B. THE ABOVE NUMBERED CONTRA	CT/ORDER IS M	ODIFIED TO REFLECT T	HE /	ADMINISTRATIVE CHANGES (such as changes TY OF FAR 43.103(b).	in paying	office,
appropriation date, etc.) SET FORT	H IN ITEM 14, PU	IRSUANT TO THE AUTH	IORI	TY OF FAR 43.103(b).		
C. THIS SUPPLEMENTAL AGREEMEN	NT IS ENTERED	INTO PURSUANT TO AU	THO	RITY OF:	· · · ·	
D. OTHER (Specify type of modification	n and authority)					
X MUTUAL AGREEMENT BY	-	TEC				
				n 0 copies to the issuin	a office	
E. IMPORTANT: Contractor X is not.		o sign this document and				
14. DESCRIPTION OF AMENDMENT/MODIFICATION	l (Organized by U	CF section headings, incl	ludin	g solicitation/contract subject matter where feasi	ble.)	
DUNS Number: (b)(4)						
TOPO: Ness Tirol Max Expire						
The purpose of this modification	ation is	to deobligate	\$	5,537.35 from this task	order	for
reobligation onto Task Order	#49. F	unding is her	eb	y decreased from \$45,000	.00 b	y \$5,537.35
to \$39,462.65						
, , , , , , , , , , , , , , , , , , , ,						
LIST OF CHANGES:						
	- hor 7-1	niatrotic "-	. + •	on		
Reason for Modification : Ot				OII		
Obligated Amount for this Mo						
New Total Obligated Amount f						
Incremental Funded Amount ch	nanged: f	rom \$45,000.0	0	to \$39,462.65		
Continued						
Except as provided herein, all terms and conditions of t	he document refe	renced in Item 9A or 10A,	, as h	neretofore changed, remains unchanged and in fu	ull force a	nd effect.
15A. NAME AND TITLE OF SIGNER (Type or print)				A. NAME AND TITLE OF CONTRACTING OFFI		
			n.	ogg Millor		
				oss Miller		
15B. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16	B. UNITED STATES OF AMERICA		16C DATE SIGNED
				Markluke		2/14/10
(Signature of person authorized to sign)				(Signature of Contracting Officer)		4/1/17

CONTINUATION SHEET	REFERENCE NO. OF	HENT BEING CONTINUED	PAGE O	F
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO. (A)	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	CHANGES FOR LINE ITEM NUMBER: 41 Obligated Amount for this modification: -\$5,537.35 Incremental Funded Amount changed from \$45,000.00 to \$39,462.65				
	NOTE TO RTP: Accounting Code #13-14-B-02P-202BE2XW2-25051302HE0028-002 in the amount of \$5,537.35 is to be reobligated to Task Order #49.				
	Period of Performance: 09/26/2013 to 09/25/2014				
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MENDMENT OF SOLICITA	ATION/MODIFIC	CONTRACT		1. CONTRACT ID CODE		PAGE OF PAGE
			1	HOTTONIO HOLLAGE DEC. 113	- In	1 2
AMENDMENT/MODIFICATION I	NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PR	ROJECT NO. (If applicable)
94 SSUED BY	CODE	See Block 16C	7 401	MINISTERED BY (If other than Item 6)	CODE	s T .
	OODL	SRRPOD	- 1.00	INVOTERED BY (III other than nem by	CODE	-
RPOD	DOMECHION	n Centov				
S ENVIRФNMENTAL F PERFUNDRCRA REGI						
ERATIONS	ODONI LANO.	KERENI				
00 PEN SYLVANIA	AVE NW					
SHINGT N DC 2046						
AME AND A DRESS OF CON	TRACTOR (No., street,	county, Stete and ZIP Code)	(x) 9A.	AMENDMENT OF SOLICITATION NO.		
ION SCIENCE AND	PECUNOT OCV	$C \cap D \cap D \cap D \cap T \cap M$				
rn(b)(4)	TECHNOLOGI	CORPORALION	9B.	DATED (SEE ITEM 11)		
00 BURR RIDGE PK	WY					
)						
RR RIDGE IL 6052	70849		X EP	. MODIFICATION OF CONTRACT/ORDE -₩-07-083	R NO.	
				47		
			10E	DATED (SEE ITEM 13)		
DE (b)(4)		FACILITY CODE		9/25/2013		
		11. THIS ITEM ONLY APPLIES T				
ne above numbered solicitation	is amended as set for	th in item 14. The hour and date sp			extended	∏is not extended.
		·		on or as amended, by one of the following i		_
ms 8 and 15, and returning	•			eipt of this amendment on each copy of the	•	
parate letter or telegram which				LURE OF YOUR ACKNOWLEDGEMENT		
HE PLACE DESIGNATED FOR	THE RECEIPT OF C	FFERS PRIOR TO THE HOUR AND	D DATE SPE	CIFIED MAY RESULT IN REJECTION OF	F YOUR OF	FFER. if by
				y telegram or letter, provided each telegra	m or letter	makes reference
		prior to the opening hour and date s	specified.			
ACCOUNTING AND APPROPR e Schedule	IATION DATA (II req	urea)				
	NI Y APPLIES TO MO	DIFICATION OF CONTRACTS/ORD	DERS ITMO	DIFIES THE CONTRACT/ORDER NO. AS	DESCRIB	ED IN ITEM 14
ECK ONE A THIS CHANGE C	RDER IS ISSUED P	URSUANT TO: (Specify authority) T	THE CHANG	ES SET FORTH IN ITEM 14 ARE MADE I	N THE CO	NTRACT
ORDER NO. IN I	IEM 10A.					
B. THE ABOVE NUI	MBERED CONTRAC	T/ORDER IS MODIFIED TO REFLE	CT THE ADI	MINISTRATIVE CHANGES (such as chang OF FAR 43.103(b).	ges In payir	ng office,
appropriation dat	e, etc.) SEI FORTH	INTIENT 14, PURSUANT TO THE A	RUIHORIII	OF FAR 43, 103(b).		
C. THIS SUPPLEME	NTAL AGREEMEN	IS ENTERED INTO PURSUANT TO	O AUTHORI	ΓY OF:		
D. OTHER (Specify	type of modification	and authority)				
X MUTUAL AGR	EEMENT BY	THE PARTIES (Contra	actor	concurrence on file)		
MPORTANT: Contractor	☑ is not.	is required to sign this document		O copies to the iss	uing office.	
DESCRIPTION OF AMENDMEN	NT/MODIFICATION (	Organized by UCF section headings	s. includina s	olicitation/contract subject matter where fe	asible.)	
NS Number: (b)(4)			,	The second secon		
PO: Ness Tirol M	ax Expire D	Date: 09/25/2014				
	-		ch the	total direct labor ho	01170 B	and total
				hours for this task of		
		.), Grand Total, of	r Page	1 of the basic order	1s mo	dified from
5,000.00 to \$80,	320.00.					
estimated cost	(total cei	ling amount) is in	ncrease	ed from \$45,000.00 to	\$80,3	20.00.
al funding rema.	ins unchang	ged at \$45,000.00.		·		
ST OF CHANGES:						
ntinued						
	and conditions of the	document referenced in item 9A or	10A. as here	etofore changed, remains unchanged and i	in full force	and effect.
NAME AND TITLE OF SIGNER	<del>~</del>	The state in from V/1 of		IAME AND TITLE OF CONTRACTING OF		
	,					
			Ros	s Miller / Oca		
. CONTRACTOR/OFFEROR		15C. DATE SIGNED	16B. U	NITED STATES OF MIERICA	1	16C. DATE SIGNED
				41 and ///////		1/11/1
(Signature of person auth	orized to sign)		<del>  /</del>	(Signature of Orntracting Officer)	č	- ///////
7540-01-152-8070		•	- <i>V</i>		STANDA	RD FORM 80 (REV. 10-83)
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 CONTINUATION SHEET
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 OF

 EP-W-07-083/HJW/004
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	New Total Amount for this Award: \$80,320.00 CHANGES FOR LINE ITEM NUMBER: 41 Total Amount changed from \$45,000.00 to \$80,320.00				7 ( 100 100 100 100 100 100 100 100 100 1
	Period of Performance: 09/26/2013 to 09/25/2014				
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AMENDMENT OF SOLICITATION/MODIFIC	CATION	1. CONTRAC	TID CODE	PAGE OF P	AGES
2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	L 1. REQUISITION/PURC	CHASE REQ. NO.	5. PROJECT NO. (h	f applicable)
003	See Block 16C	R-SRRPOD-13	-00430		
6. ISSUED BY CODE		7. ADMINISTERED BY	( (If other than item 6)	CODE	<del></del>
SRRPOD US Environmental Protection Superfund/RCRA Regional Pro Operations 1200 Pennsylvania Ave, NW				<u> </u>	
Washington DC 20460	*				
8. NAME AND ADDRESS OF CONTRACTOR (No., stre	et, county, State and ZIP Code)	x) 9A. AMENDMENT	OF SOLICITATION NO.		
ALION SCIENCE AND TECHNOLOGY Attn: (b)(4)	CORPORATION	9B. DATED (SEE I)	TEM 11)		
1000 BURR RIDGE PKWY					
(b)(4)		10A. MODIFICATIO	ON OF CONTRACT/ORDER	NO.	
BURR RIDGE IL 605270849		EP-W-07-08 0047 10B. DATED (SEE		`	
CODE (b)(4)	FACILITY CODE				
(47(1)	11. THIS ITEM ONLY APPLIES TO	09/25/201			
☐ The above numbered solicitation is amended as set			☐ is exte	ended, Dis not exter	
Offers must acknowledge receipt of this amendment ltems 8 and 15, and returning consequence of the second consequence of the second consequence of the PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off to the solicitation and this amendment, and is received.	opies of the amendment; (b) By acknowle te to the solicitation and amendment num OFFERS PRIOR TO THE HOUR AND D fer already submitted, such change may b	ing receipt of this amen rs. FAILURE OF YOUF TE SPECIFIED MAY RI made by telegram or let	ndment on each copy of the o R ACKNOWLEDGEMENT TO ESULT IN REJECTION OF Y	offer submitted; or (c) By O BE RECEIVED AT YOUR OFFER. If by	<b>y</b>
12. ACCOUNTING AND APPROPRIATION DATA (If re	equired) Ne	Increase:	\$	310,000.00	
See Schedule			,		
B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT	PURSUANT TO: (Specify authority) THI  ACT/ORDER IS MODIFIED TO REFLECT IN IN ITEM 14, PURSUANT TO THE AUTHORITIES  NOT IS ENTERED INTO PURSUANT TO A	HE ADMINISTRATIVE ORITY OF FAR 43.103			
S. THE SET PERMITTERS TO SEE SEE	THE ENTERED INTO FORCE AND TO	111010111 01 .			
D. OTHER (Specify type of modification	n and authority)	· · · · · · · · · · · · · · · · · · ·			
X B.5 LIMITATION OF G	OVERNMENT'S OBLIGATION	(EPA-B-32-	103) TAILORED		
E. IMPORTANT: Contractor X Is not,	is required to sign this document ar		O copies to the issuir	ng office.	
14. DESCRIPTION OF AMENDMENT/MODIFICATION DUNS Number: $(b)(4)$ TOPO: Ness Tirol Max Expire The purpose of this modification of the purpose of this modification of the purpose of the modification of the purpose of the purpose of the purpose of the modification of the purpose	Date: 09/25/2014	\$.			
LIST OF CHANGES:					
Reason for Modification : Fu					
Total Amount for this Modifi		0.00			
New Total Obligated Amount f	for this Award: \$45,0	0.00			
CHANGES FOR LINE ITEM NUMBER	R: 41				. *
Except as provided herein, all terms and conditions of t	he document referenced in Item 94 or 10	as heretofore changed	remains unchanged and in t	full force and effect	
15A. NAME AND TITLE OF SIGNER (Type or print)	and additional religion in Items and OL 10		LE OF CONTRACTING OFFI		
		Ross Miller	7/1	, see printy	
15B. CONTRACTOR/OFFEROR	15C. DATE SIGNED	16B. UNITED STATES	AMERICA III	16C. D	DATE/SIGNED
(Signature of person authorized to sign)		(Signa	ture of Contracting Officer)		1-4//5
NON 7540 04 450 0070				TANDADD CODE OF	DEL 40.06

CONTINUATION SHEET

REFERENCE NO. OF DOCUMENT BEING CONTINUED

EP-W-07-083\_\_ 7/003

PAGE 2 OF 2

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Total Amount changed from \$35,000.00 to \$45,000.00				
	Obligated Amount for this modification: \$10,000.0	00			, , , , , , , , , , , , , , , , , , ,
	NEW ACCOUNTING CODE ADDED:				
	Account code: 13E4-D100AG7-301D79-2505-GQ00BZ0013D1D2E001-0	00			
	1 Beginning FiscalYear 13				
	Ending Fiscal Year Fund (Appropriation) E4				
	Budget Organization D100AG7 Program (PRC) 301D79				
	Budget (BOC) 2505  Job # (Site/Project) GQ00BZ00				
	Cost Organization				
	DCN-LineID 13D1D2E001-001 Amount: \$10,000.00	i i		1.0	
	Funding is increased from \$35,000 by \$10,000 to				-0
	\$45,000.				
	Delivery Location Code: RECON SHIP Reconstruct Ship To Washington DC USA				
	Period of Performance: 09/26/2013 to 09/25/2014		ľ	•	`
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	AMENDMENT OF SOLICITATION/MODIFIC	CATION—SONTRACT		1. CONTRACT ID CODE		PAGE OI	PAGES
SERVICE SERVIC	2. AMENDMENT/MODIFICATION NO.	3. EFFECTIVE DATE	4. REQ	UISITION/PURCHASE REQ. NO.	5. PF	1 ROJECT NO	). (If applicable)
SSREPO   T. ADMINISTERD BY (if other than farm 6) CODE	002	See Block 16C	PR-S	RRPOD-13-00427			
USE ENVIRONMENTAL Protection Agency Superindry CREAR Regional Procurement Speriations 200 Femnsylvania Ave, NW Tashington DC 20460  LION SCIENCE AND TECHNOLOGY CORPORATION This IDNA CORPORATION  LION SCIENCE AND TECHNOLOGY CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  THIS IDNA CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  AND DELECTRICATE THE CONTRACTORDER NO.  LION SCIENCE AND TECHNOLOGY CORPORATION  LION SCIENCE AND TECHNOLOGY COR			7. ADN	MINISTERED BY (If other than Item 6)	COD	E	
NAME AND ADDRESS OF CONTRACTOR (M.M., reset, county, Sales and 20° code)  LLON SCIENCE AND TECHNOLOGY CORPORATION  LLON SCIENCE AND TECHNOLOGY CORPORATION  LLON SCIENCE AND TECHNOLOGY CORPORATION  BR DATED (SEE ITEM 11)  OOD BURR RIDGE PKWY  (H)  OOD BURR RIDGE IL 605270849  THIS TIEM ONLY APPLIES TO AMERICAN FOR SCIENCE (TEM 12)  OOL 10 AND ADDRESS FOR CONTRACTORDER NO.  OOL 10 AND ADDRESS FOR CONTRACTORDER NO.  OOL 10 AND ADDRESS FOR SCIENCE (TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 13)  OOL 27 (TO ADDRESS TO SCIENCE AND TEM 14)  The above numbered solicidation is amended as set forth in live 14. The hour and cales specified for receipt of Orige As advanced by 19 and 15 and reluming semination of the science of the scien	JS Environmental Protection Superfund/RCRA Regional Pro Operations	_					
JION SCIENCE AND TECHNOLOGY CORPORATION this (E)(H)  JOB BURR RIDGE PKWY  (4)  JOB BURR RIDGE IL 605270849  TRANSPORT RIDGE IL							
VER RIDGE IL 605270849   X   TOA MODIFICATION OF CONTRACT/ORDER NO. DE P-W-07-08 3   DOATED (SEE TEM 19)   OO4 7   FOR DATED (SEE	LION SCIENCE AND TECHNOLOGY						·
IOA_MODIFICATION OF CONTRACT/ORDER NO.   2007-07-083   2008-07-07-083   2009-07-083							
The above numbered solicitation is amended as a forth in litem 14. The hour and date specified for receipt of Offers  Offers must acknowledge receipt of this amendment prior to the hour and date specified in the solicitation or as amended, by one of the following methods: (a) By completing items 8 and 15, and returning	` '		× EE	-W-07-083 47	NO.		
The above numbered solicitation is amended as set forth in liten 14. The hour and date specified for receipt of Offers   is extended.   is not extended.   is not extended.   is not extended.   is not extended in the solicitation of as amended by one of the following methods (to by completing separate later of the gibbs with a mender prior to the solicitation of as amended by one of the following methods (to by completing separate later of the gibbs with a mender of collection and amendment, not the solicitation and amendment, not the solicitation and amendment numbers. FAILURED IN VOLVE ACKNOW EXCEPTION TO THE RECEIPTED AT withing of this amendment, one and the semandment on each copy of the offer administrative of the amendment. And is received prior to the solicitation and amendment, and is received prior to the solicitation and this amendment, and is received prior to the opening hour and date specified.  **CACCOUNTING AND APPROPRIATION DATA (If required)**  13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/DRDERS. IT MODIFIES THE CONTRACTS/DRDER NO. AS DESCRIBED IN ITEM 14.  **DEECK ONE**  13. THIS SHEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/DRDERS. IT MODIFIES THE CONTRACTS/DRDER NO. AS DESCRIBED IN ITEM 14.  **DEECK ONE**  15. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office. appropriation are, act). SET FORTH IN ITEM 14. FURRIQUANT TO THE AUTHORITY OF:  16. CTHER (Specify type of modification and authority)  17. CHANGES IS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO THE AUTHORITY OF:  18. THE ABOVE NUMBER PROPERTY OF THE AUTHORITY OF FAR 45. (SQL)).  18. THE ABOVE NUMBER PROPERTY OF THE AUTHORITY OF FAR 45. (SQL)).  18. THE ABOVE NUMBER PROPERTY OF THE AUTHORITY OF FAR 45. (SQL)).  18. THE ABOVE NUMBER PROPERTY OF THE AUTHORITY OF FAR 45. (SQL)).  18. THE ABOVE NUMBER PROPERTY OF THE AUTHORITY OF FAR 45. (SQL)).  18. THE ABOVE NUMBER PROPERTY OF THE AUTHORITY OF FAR 45. (SQL)).  18. THE ABOVE NUMBER PROPERTY OF THE AUT	ODE (b)(4)	FACILITY CODE	0	9/25/2013			
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13. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.  2. THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Specify authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 10A.  2. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).  2. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  D. OTHER (Specify type of modification and authority)  1. IMPORTANT: Contractor	separate letter or telegram which includes a reference THE PLACE DESIGNATED FOR THE RECEIPT OF virtue of this amendment you desire to change an off	e to the solicitation and amendment of OFFERS PRIOR TO THE HOUR AN er already submitted, such change m	numbers. FAI ND DATE SPE nay be made b	LURE OF YOUR ACKNOWLEDGEMENT TO CIFIED MAY RESULT IN REJECTION OF Y	D BE RE	CEIVED AT	Г <b>/</b>
13. THIS ITEM ONLY APPLIES TO MODIFICATION OF CONTRACTS/ORDERS. IT MODIFIES THE CONTRACT/ORDER NO. AS DESCRIBED IN ITEM 14.  ##EECK ONE A THIS CHANGE ORDER IS ISSUED PURSUANT TO: (Speally authority) THE CHANGES SET FORTH IN ITEM 14 ARE MADE IN THE CONTRACT ORDER NO. IN ITEM 104.  B. THE ABOVE NUMBERED CONTRACT/ORDER IS MODIFIED TO REFLECT THE ADMINISTRATIVE CHANGES (such as changes in paying office, appropriation date, etc.) SET FORTH IN ITEM 14, PURSUANT TO THE AUTHORITY OF FAR 43.103(b).  C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  D. OTHER (Spearly type of modification and authority)  IMPORTANT: Contractor		equired)	Net Dec	rease: -	\$10,	000.00	)
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C. THIS SUPPLEMENTAL AGREEMENT IS ENTERED INTO PURSUANT TO AUTHORITY OF:  D. OTHER (Specify type of modification and authority)  IMPORTANT: Contractor	ORDER NO. IN ITEM 10A.  B. THE ABOVE NUMBERED CONTRA appropriation date, etc.) SET FORT						
IMPORTANT: Contractor		NT IS ENTERED INTO PURSUANT	TO AUTHORI	TY OF:			
4. DESCRIPTION OF AMENDMENTMODIFICATION (Organized by UCF section headings, including solicitation/contract subject matter where feasible.)  UNS Number: (b)(4)  OPO: Ness Tirol Max Expire Date: 09/25/2014  he purpose of this modification is to de-obligate \$10,000 from this task order that was istakenly obligated via Modification 001.  IST OF CHANGES: eason for Modification: Other Administrative Action otal Amount for this Modification: -\$10,000.00  ew Total Amount for this Version: \$35,000.00  ew Total Amount for this Award: \$35,000.00  biligated Amount for this Modification: -\$10,000.00  ontinued  xxept as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.  5A. NAME AND TITLE OF SIGNER (Type or print)  Ross Miller  SB. CONTRACTOR/OFFEROR  15C. DATE SIGNED  16B. UNITED STATES OF IMERICA  (Signature of Contracting Officer)  16C. DATE SIGNED	D. OTHER (Specify type of modification	n and authority)				<del></del>	
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ew Total Amount for this Version: \$35,000.00  ew Total Amount for this Award: \$35,000.00  coligated Amount for this Modification: -\$10,000.00  continued  except as provided herein, all terms and conditions of the document referenced in Item 9A or 10A, as heretofore changed, remains unchanged and in full force and effect.  SA. NAME AND TITLE OF SIGNER (Type or print)  Ross Miller  SB. CONTRACTOR/OFFEROR  15C. DATE SIGNED  (Signature of person authorized to sign)  16C. DATE SIGNED  (Signature of Contracting Officer)							
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(Signature of person authorized to sign)  Adduction of Contracting Officer)  (Signature of Contracting Officer)			Ros	s Miller			
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	(Signature of person authorized to sign)		/				1/01/

 CONTINUATION SHEET
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 PAGE 2
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NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES	QUANTITY		UNIT PRICE	AMOUNT
(A)	(B)	(C)	(D)	(E)	(F)
	New Total Obligated Amount for this Award: \$35,000.00				
	CHANGES FOR LINE ITEM NUMBER: 41				
	Total Amount changed				
	from \$45,000.00 to \$35,000.00		1 1		
	Obligated Amount for this modification:		1 1		1
	-\$10,000.00				
1	CHANGES FOR ACCOUNTING CODE:	1	1 1		
1	13-14-B-02P-202BE2XW2-25051302HE0028-002		ΙI		
	Amount changed from \$45,000.00 to \$35,000.00		•		
	Payment:				
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j	US Environmental Protection Agency RTP-Finance Center (D143-02)		1		
1	109 TW Alexander Drive		1		
į	Research Triangle Park NC 27711				
j	FOB: Destination				ļ
	Period of Performance: 09/26/2013 to 09/25/2014				Ì
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2. AMENDMENT/MODIFICATION NO.			A DECIMATION OF THE	NO TE	1	2
	3. EFFECTIVE		4. REQUISITION/PURCHASE REQ. PR-SRRPOD-13-00428	NO.  5, F	ROJECT NO	. (If applicable)
001 B. ISSUED BY	CODE SPREAD	ck 16C	7. ADMINISTERED BY (If other than	Item 6) CO	DE I	
	SRRPOD		T. TOWNSON CO.			
SRRPOD US Environmental Pro Superfund/RCRA Regio Operations 1200 Pennsylvania Av	nal Procurement					
Washington DC 20460						
NAME AND ADDRESS OF CONTRAC LION SCIENCE AND TEC	•		(X) 9A. AMENDMENT OF SOLICITA	TION NO.		
ttn: (b)(4) 000 BURR RIDGE PKWY			9B. DATED (SEE ITEM 11)	-		-
)(4)			, 10A. MODIFICATION OF CONTR	RACT/ORDER NO		
URR RIDGE IL 6052708	49	7	X EP-W-07-083 0047			
(b)(4)			10B. DATED (SEE ITEM 13)			
ODE (b)(4)	FACILITY COL	DE	09/25/2013			
The above numbered solicitation is am	·		MENDMENTS OF SOLICITATIONS			
Offers must acknowledge receipt of thi Items 8 and 15, and returning separate letter or telegram which inclur THE PLACE DESIGNATED FOR THE virtue of this amendment you desire to to the solicitation and this amendment,	copies of the amen des a reference to the solicitatio RECEIPT OF OFFERS PRIOR change an offer already submit	dment; (b) By acknowled in and amendment numb TO THE HOUR AND DA ted, such change may be	ging receipt of this amendment on eac ers. FAILURE OF YOUR ACKNOWLE ATE SPECIFIED MAY RESULT IN RE made by telegram or letter, provided	h copy of the offer su EDGEMENT TO BE F JECTION OF YOUR	bmitted; or (c ECEIVED AT OFFER. If by	Ву
2. ACCOUNTING AND APPROPRIATIO	ON DATA (If required)	Net	Increase:	\$10,	000.00	<u> </u>
ee Schedule			S. IT MODIFIES THE CONTRACT/OR			
			CHANGES SET FORTH IN ITEM 14 / IHE ADMINISTRATIVE CHANGES (S HORITY OF FAR 43.103(b).			
	L AGREEMENT IS ENTERED I	INTO PURSUANT TO AL	JTHORITY OF:			
C. THIS SUPPLEMENTA  D. OTHER (Specify type	of modification and authority)			ATLORED		
D. OTHER (Specify type X B.5 LIMITAT)	of modification and authority) ION OF GOVERNMEN	T'S OBLIGATIO	ON (EPA-B-32-103) T	AILORED	е.	
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CONTINUATION SHEET	EP-W-07-083/UU47/001	2	2

NAME OF OFFEROR OR CONTRACTOR

ITEM NO.	SUPPLIES/SERVICES (B)	QUANTITY (C)	UNIT (D)	UNIT PRICE (E)	AMOUNT (F)
	Reason for Modification: Funding Only Action Total Amount for this Modification: \$10,000.00 New Total Amount for this Award: \$45,000.00 Obligated Amount for this Modification: \$10,000.00 New Total Obligated Amount for this Award: \$45,000.00			g - 8	
4	CHANGES FOR LINE ITEM NUMBER: 41 Total Amount changed from \$35,000.00 to \$45,000.00 Obligated Amount for this modification: \$10,000.00				
	CHANGES FOR ACCOUNTING CODE: 13-14-B-02P-202BE2XW2-25051302HE0028-002 Amount changed from \$35,000.00 to \$45,000.00				
·	Payment:  RTP Finance Center  US Environmental Protection Agency  RTP-Finance Center (D143-02)  109 TW Alexander Drive  Research Triangle Park NC 27711  FOB: Destination  Period of Performance: 09/26/2013 to 09/25/2014				
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IMPORTANT	r: Mark al	packages and papers with	con rac	and/or or	der numbers.					1	17
1. DATE OF O	RDER	2. CONTRACT NO. (If any) EP-W-07-083							6. SHIP TO:		
09/25/20	013	EE-W-07-003				a. NAME	OF C	ONSIGNEE			
3. ORDER NO			4. REQ	UISITION/R	REFERENCE NO.	Kim Y. Brandon-Bazile					
0047				2-13-0							
	FEIOE (4.4.4					- CTDS					
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7. TO (b)(4)						f. SHIP V	/IA				
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b. COMPANY I	NAME					a. PU	JRCHA	SF		X b. DELIVER	· · · · · · · · · · · · · · · · · · ·
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9. ACCOUNTING		PROPRIATION DATA				10. REQU		NING OFFICE			
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### ORDER FOR SUPPLIES OR SERVICES

PAGE NO

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IMPORTANT: Mark all packages and papers with contract a der numbers.

DATE OF ORDER CONTRACT NO.

09/25/2013 EP-W-07-083

ORDER NO. 0047

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# STATEMENT of WORK September 26, 2013 – September 25, 2014 Analytical Services (Non-Superfund) Contract # EP-W-07-083 Task Order # 47

TOCOR: Ness Tirol

#### **Purpose**

The Region 2 Laboratory is committed to producing environmental data of known quality, adequate for its intended use and to thoroughly document all aspects of the data generation. The documentation shall be verifiable and defensible.

#### **Analytical Services**

The contractor's task shall be to perform qualitative and quantitative analyses of samples for EPA Region 2 under the provisions of the ESAT contract Statement of Work and other applicable support functions. Method development and testing, statistical and data management and Quality Assurance/Quality Control (QA/QC) task areas are associated with the analysis of environmental samples and the production of data of known quality and properly documented quality. Each assignment and costs shall be tracked separately and the internal administrative and management activities necessary to perform the services required by this Task Order shall be included in these costs. The contractor shall break out from their weekly and monthly activity report the description of the work accomplished under this Task Order and deliver a copy of the deliverables to the Contracting Officer Representative (COR) and/or Task Order Contracting Officer representative (TOCOR) on a weekly basis. For projects with a turnaround time (TAT) greater than fourteen (14) days, the Contractor shall be required to submit deliverables one (1) business day before the due date as indicated on the Project Status Report. For all other TATs, the TOCOR will specify the deliverable dates via Technical Direction (TD) Form or e-mail. The TDF and/or e-mail will specify the necessary information relating to Analytical Services and due dates.

Tasks under this task order shall be completed in accordance with this Statement of Work, LQMP, including all referenced SOP(s) and documentation.

#### STATEMENT OF WORK - TASK AREA I: ANALYTICAL SUPPORT

#### Task 1: Task Order Management:

The contractor shall track the status of the tasks, labor hours, number of samples, type of analyses for each task under this TO and costs for the cost reimbursable portion. The tasks must be defined as either site specific or task specific (site allocable). The contractor shall provide the COR and the TOCOR with weekly reports for the above referenced data.

The contractor shall maintain a database containing information as it relates to this program for work performed as described in each task area (i.e., I, II, and III) for non-Superfund programs (e.g., Task Area I - Analytical Support - specific analytical costs by parameter (e.g., VOA, Semi-VOA, Metals, cyanide, etc).

The contractor shall provide the costs for performing specific types of analyses and sample preparation on a monthly basis preferably included in the Monthly Financial Report. This information should include costs for sample handling and management associated with each type (VOA, metals, etc.) of analysis performed. The sample handling and/or sample

#### STATEMENT of WORK nber 26, 2013 – September 25, 201

September 26, 2013 – September 25, 2014 Analytical Services (Non-Superfund) Contract # EP-W-07-083 Task Order # 47 TOCOR: Ness Tirol

management costs shall include costs for sample handling, storage, tracking, reporting, and disposal.

ESAT Team management and designees shall meet with the COR, TOCOR and other designated EPA representatives bi-weekly or as needed, to update EPA on the status of tasks, completion schedules and to address any relevant issues pertaining to the task order.

No work shall commence on a project until it is determined by the Contractor if there is a conflict of interest (COI). In the instance of actual or potential COI, the Contractor shall notify the CO and COR prior to commencement of work. The CO or COR will inform the Contractor whether or not to proceed with the work. The Contractor shall keep records of the COI determination.

The contractor shall submit all deliverables under this TO to the TOCOR with a cover letter identifying each document submitted or task completed.

The contractor shall review all deliverables following the protocols specified in the SOPs used to generate the deliverable. The reviewer must have sufficient technical competence to be able to understand all aspects of the document to be reviewed and to have not been significantly involved in the generation of the data and the preparation of the deliverable. The reviewer shall assure each deliverable is accurate, technically sound and free from transcription errors. If such a review cannot be performed on any deliverable, the contractor shall notify the COR and the TOCOR prior to the submission of the deliverable.

The contractor shall immediately notify the COR and the TOCOR as soon as it is determined that a schedule for the completion of any task or submission of any deliverable may not be met. This notification shall be submitted via e-mail with justification and revised completion dates for the approval of the TOCOR, COR/Alternate COR and/or the Contracting Officer (CO.) If a deliverable cannot be submitted by the deliverable completion date, the TOCOR and COR/Alternate COR must be notified at least two (2) business days prior to the completion date.

This Statement of Work is subject to change based on changing priorities and workload fluctuations. The contractor may be required to make changes to accommodate the Agency's changing needs. The Agency shall revise the SOW as necessary and the Contractor shall have the opportunity to provide a revised cost estimate at that time.

The Contractor shall notify the CO and COR when 85% of funding for this Task Order has been expended.

#### **Deliverables**

The contractor shall submit to the COR and the TOCOR weekly reports with narratives of all current contract activities, including administrative and management highlights. Each table and/or report should identify activities by Task Orders and/or Technical Direction Form Number. The reports shall be submitted on the Wednesday for the preceding weekly period.

#### STATEMENT of WORK September 26, 2013 – September 25, 2014

Analytical Services (Non-Superfund)
Contract # EP-W-07-083
Task Order # 47

**TOCOR: Ness Tirol** 

The weekly reports should include:

- ongoing, suspended, cancelled, work, and completed activities;
- analysis type, start date, due date, and completion date;
- number of samples, estimated hours expended, estimated cumulative hours and staff name;
- Expended hours (if applicable, estimated hours should be noted and reference the affected activity; and
- cumulative totals for each of the above categories

The monthly report should include the aforementioned information and including:

- Total hours, dollars, travel and ODC costs;
- funding ceiling and percentages utilized in each category (i.e. hours, dollars, ceilings, etc); and.
- Cumulative totals for each of the above categories (i.e. hours, dollars, etc).

#### **TASK 2: Analytical Support**

#### **Laboratory Sample Analyses**

The contractor shall analyze environmental samples consisting of a wide variety of media for organic and inorganic analytes/parameters including but not limited to volatile and semi-volatile organic compounds, pesticides/PCBs, trace metals, wet chemistry analytes/parameters and other inorganic analytes. New methods and parameters not covered by current standard operating procedures (i.e., Gasoline Range Organics by GC) shall be added as needed. New methods will be identified by TD and will address a wide variety of media for organic, inorganic, biology and wet chemistry analytes/parameters. Sample analyses shall include qualitative and/or quantitative analysis, as well as sample preparation, extraction, digestion, distillation, measurement, data reduction, data review and reporting as applicable.

The contractor shall analyze environmental samples for analytes/parameters (but not limited to) those listed under the section SOPs and Guidance Documents Reference Available to the Contractor.

Samples will be assigned to the contractor for analysis by means of TD. The TD shall specify the site name, account number, expected number of samples, analyses requested, sample matrices, anticipated date of sample receipt and estimated completion date.

All analytical data shall be properly documented and all analytical and technical procedures shall be covered by SOPs or other appropriate form of documentation. The contractor shall perform the assigned sample analyses in accordance with the appropriate SOPs. In the event that unforeseen circumstances require deviation from the technical procedures contained in the SOPs, alternate technical instructions will be provided in writing by means of the TD.

The contractor must maintain and provide to the TOCOR documentation of the completion of initial and continuing demonstrations of capability, Performance Test Samples (PTS) and MDLs for all analytical work performed in a timely manner as per the Region 2 Laboratory Quality

# STATEMENT of WORK September 26, 2013 – September 25, 2014 Analytical Services (Non-Superfund)

Contract # EP-W-07-083 Task Order # 47 TOCOR: Ness Tirol

Management Plan. MDL studies shall be performed when there is new instrumentation or a significant change in methodology, as per the Region 2 Laboratory Quality Management Plan (LQMP) and appropriate SOP.

Please note that all policies within the Region 2 LQMP must be followed.

#### **Acceptance Criteria**

The environmental data generated and reported shall be of known quality, adequate for its intended use and thoroughly documented. All deliverables shall be submitted to the TOCOR within the time frame specified below. All assigned tasks shall be completed within the allocated level of effort as specified in the Government Quality Assurance Surveillance Plan (QASP.) All required QA demonstrations and determinations shall be documented by the contractor and submitted to the TOCOR within the time frames specified below.

The quality of the data shall be determined by the compliance with all QA/QC criteria specified in the technical documentation and guidance used by the contractor. Documentation that the samples were analyzed correctly must exist. Examples are:

- Sample response of instruments within calibration range
- Data to show appropriate method used sample matrix spike recovery data, method detection limits, etc.
- Identification of standards used during analysis
- Quality control data for each batch of analyses
- Documentation of contractor peer review of results

Adequacy of the data for its intended use shall be evaluated based upon conformance with criteria specified in the SOPs or TDs. Examples are:

- Data reported conforms to the SOP/Method reporting limits
- Special instructions in TD are carried out appropriately
- Special reporting limits specified on in TD are attained.

The contractor shall document all work performed in accordance with the protocols specified in the current Region 2 LQMP, SOPs, and National Environmental Laboratory Accreditation Conference (NELAC) Standards. All documentation must be adequate with respect to completeness and reproducibility.

Analytical deliverables (e.g. complete data package) shall be submitted to the TOCOR one (1) business day prior to the due date listed on the Project Status Report. The contractor demonstrations of capability, MDL and PTS for all analytical work performed shall be performed according to the current LQMP and NELAC standards.

**September 26, 2013 – September 25, 2014** 

Analytical Services (Non-Superfund) Contract # EP-W-07-083

Task Order # 47

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#### **Documentation**

#### SOPs and Guidance Documents Available to the Contractor

For the Analytical Support activities, as defined in the Task activities are to be performed using the basic methods and technical procedures described in the following documents. This list may not be all inclusive. For example, biological analyses/functions may be performed by the Contractor.

In addition to the method SOPs mentioned below, the following documents must be adhered to:

Region 2 Laboratory Quality Management Plan Current NELAC Standards All General and Supporting SOPs

#### **Inorganic - Wet Chemistry Analyses SOPs**

EPA- B-8.33 EPA-C-18 EPA-C-24	Particle Size Analysis – Hydrometer Method Alkalinity (Titrimetric Method) pH/Corrositivity
EPA-C-28	Cyanide, Total Analysis, (Colorimetric Method)
EPA-C-33	Total Suspended Solids (TSS), Volatile Suspended Solids (VSS)
EPA-C-35	Settleable Solids (Imhoff Cone Procedure)
EPA-C-37	Total Dissolved Solids (TDS) (Gravimetric Method)
EPA-C-53	Chemical Oxygen Demand (COD)
EPA-C-68	Total Phosphorous and Orthophosphate (as P) (Colorimetric Method)
EPA-C-79	Nitrate + Nitrite (as N) (Colorimetric Method)
EPA-C-80	Ammonia (as N) (Colorimetric Method)
EPA-C-83	Total Organic Carbon in Aqueous (Combustion/Infrared Detection Method)
EPA-C-88	Total Organic Carbon in Sediments (Combustion/Infrared Detection Method)
EPA-C-94 EPA-C-96 EPA-C-115	Anions by Ion Chromatography Hexavalent Chromium Sulfide, Methylene Blue
EPA-C-121	Total Solids/Volatile Solids

#### <u>Inorganic - Trace Metals Analyses SOPs</u>

EPA-C-109	Metals (ICP/AES Method)
EPA-C-110	Mercury (CVAAS Method)
EPA-C-112	Trace Elements by ICP-MS
EPA-C-116	Preparation of Aqueous, TCLP Extracts, Soil/Sediment/Sludge, Waste
	Oil/Organic Solvents, and Biological Tissue Matrices by Block Digestion

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#### **Volatile Organic Analyses SOPs**

EPA-DW-1	Low Level Volatiles Analysis, (Purge & Trap GC/MS Method)
EPA-C-89	Analysis of Volatile Organic Compounds in Aqueous, Soil/Sediment and
	Waste Oil/Waste Organic Solvents Samples by Purge and Trap GC/MS
EPA-C-123	Analysis of Volatile Organic Compounds by Automated Closed System
	purge and Trap GC/MS (Med Level)
EPA-C-124	Determination of Dissolved Methane, Ethylene and Ethane in Water by
	Headspace GC/FID

#### Semi-Volatile Organic Analyses SOP

EPA-C-90 Semi-Volatiles Analysis (GC/MS Method)

#### Pesticides and Poly Chlorinated Biphenyls (PCBs) Analyses SOPs

EPA-C-66	Cleanup of Sample Extracts by Gel Permeation Chromatography for
	PCB/Pesticide Analysis
EPA-C-91	Pesticides/PCBs (GC-ECD Method)
EPA-C-103	Cleanup of Sample Extracts Using Concentrated Sulfuric Acid for PCB
	Analysis
EPA-C-111	Cleanup of Sample Extracts Using Silica-Gel Column chromatography for
	PCB and Pesticides Analysis

#### **Deliverables for Analytical Support**

On a weekly basis the contractor shall submit to the TOCOR and the COR a project status report. The report should include the work completed with the completion date and the work pending.

Each sample analysis project, identified by TDF number or other identifier, site name and LIMS Project Number, submitted to the TOCOR shall contain the completed data package for analytical results. The content and format are specified in the SOPs listed above.

Data package deliverables as referenced in the LQMP and SOPs include but may not be limited to:

- Cover letter
- Copy of the TDF or other identifier
- Copy of the Chain-of-Custody documents
- Analytical Checklists/Standards Prep/Run Logs as applicable LIMS Report, and
- All analytical raw data (e.g. instrument printouts, chromatography, bench sheets, etc.), and Cross Reference Sheet, if needed.

The total number of anticipated analyses for the contract year is **1,000**. The estimated breakdown is listed below. The breakdown may change due to analytical requests.

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The estimated number of analyses to be completed under Wet Chemistry analysis is 400.

The estimated number of analyses to be completed under Volatile Organic Compound Analyses, including Methane, Ethane, and Ethylene is **100**.

The estimated number of analyses to be completed under Semi-Volatile Organic Compound Analyses, including 1,4-Dioxane is **100**.

The estimated number of analyses to be completed under Pesticides and Polychlorinated Biphenyls (PCBs) Analyses is **100**.

The estimated number of analyses to be completed under Inorganic - Metals is 300.

The estimates above are applicable to Task Areas I and II. The contractor's estimated cost should be based on the information in this SOW.

#### Laboratory Information Management Systems (LIMS) deliverables

Data entered into the LIMS must be verified by a second, independent reviewer. After the data have been verified as entered correctly, the reviewer validates the analyses in the LIMS. The TOCOR will perform an electronic check to confirm the completion of the peer review and the validation of the analyses by the contractor. The deliverable will be considered submitted when the peer review and validation of the analyses are completed in LIMS.

#### **Laboratory Automation**

The contractor shall provide support in the automation of data reduction and sample analysis for the ESAT Laboratories. This support should include developing spreadsheets, databases, and limited programming in an effort to increase sample production and minimize transcription errors.

#### Task 3: Training

The contractor may be required to attend training under this TO. The type of training and number of staff required to attend the training will be specified in TDF or e-mail. Training includes, but is not limited to, topics such as QA training, laboratory ethics, and laboratory health and safety. This includes the training on the LIMS process for implementing the system where projects will be populated by the laboratory analytically produced.

#### STATEMENT OF WORK - TASK AREA II: QA/QC SUPPORT

#### Task 1: Develop and/or Review Analytical Methodologies

The contractor shall provide technical support in the development and/or review of analytical methodologies and protocols including technical specifications for new or non-CLP methods and related QA activities. This shall require the contractor to perform research on specific topics, including literature search in pertinent journals and publications, obtaining information from the

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scientific community, performing the method development, validating the results, preparing an SOP and generating data of known quality, adequate for its intended use and thoroughly documented.

The objective of this task will be to verify the acceptable performance of the analytical method, analytical instrumentation and the adequacy of the QA/QC procedures developed. The technical criteria to be used in performing this evaluation, as well as any applicable SOPs or related literature, will be specified in a TDF or e-mail.

#### **NELAC Accreditation**

The Region 2 Laboratory is NELAC accredited. The contractor shall implement a comprehensive QA/QC program that adheres to the most current NELAC standards. The contractor must maintain NELAC accreditation for all laboratory methods and procedures used. Initially, the NELAC standards are applied to the most commonly used laboratory methods, procedures and documentation to achieve NELAC accreditation. Eventually, all analytical methods, procedures and documents used by the ESAT contractor must be NELAC accredited and/or compliant.

#### **Deliverables**

The contractor must submit to the TOCOR, a written report documenting the results of the analytical method developed or evaluated under this task and originals of all necessary documentation to maintain NELAC accreditation. The deliverables will be specified in a TDF, email, or in an existing SOP with similar technical requirements or protocols This will include but not be limited to: PT, MDL and DOC results; SOPs, and related documents; laboratory audit results, using the latest version of the NELAC check list; corrective action plans and forms.

#### **Acceptance Criteria**

The environmental data generated under the developed analytical methodology shall be of known quality, adequate for its intended use and thoroughly documented.

The quality of the data shall be determined by the compliance with all QA/QC criteria specified in the technical documentation and guidance used by the contractor. Examples are:

- Sample response of instruments within calibration range
- Acceptable matrix spike recovery data
- Method detection limit determination
- Acceptable quality control data for each batch was acceptable.

Adequacy of the data generated by the developed analytical method shall be evaluated based upon technical criteria specified in TD. Examples are:

- Data generated will attain the required quantitation limit
- Qualitative identification is technically sound.

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The contractor shall document all work performed in accordance with the protocols specified in the TD or guidance documents used during the method development. All documentation must be adequate with respect to completeness and reproducibility.

#### Task 2: Maintenance and Development of Standard Operating Procedures (SOPs)

SOPs are the primary format for documenting the analytical methodologies and technical procedures and protocols used in the Laboratory.

As per the Region 2 Laboratory Quality Management Plan, the contractor shall review and revise, as necessary, all SOPs used for performance of work specified in the contract Statement of Work. Additionally, the contractor shall develop SOPs for new analytical methodologies and procedures.

The contractor shall keep current with the CLP SOW analytical methodologies. The contractor shall perform a review of the relevant CLP SOW analytical methods that pertain to the ESAT Laboratory whenever a new CLP SOW or revision is released.

#### <u>Deliverables</u>

The contractor shall document and submit a report to the TOCOR that describes any significant changes in the CLP SOWs relevant to ESAT's Laboratory methods/procedures (i.e., SOM01.1, ILM 06.X etc).

New SOPs developed by the contractor shall be delivered to the TOCOR for review, comment and/or approval.

#### Acceptance Criteria

Documents prepared must provide sufficient technical information and detail to communicate to a Laboratory analyst the steps necessary to successfully complete all task covered in the SOP and generate data of documented known and acceptable quality.

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### <u>Task 3: Maintenance of Demonstration of Capability (DOC) QA and QA Activities</u> <u>Databases</u>

The contractor shall maintain a DOC database and a QA Activities database.

The DOC database shall include, but is not limited to the matrix of the analysis, parameter tested, date on which the DOC was performed, name of Contractor analyst who performed the DOC, and the parameter reporting limit. All DOCs shall be performed using the appropriate EPA SOPs and the Region 2 LQMP.

The QA Activities database shall include, but is not limited to all Laboratory audits performed by the Contractor, Corrective Actions, Limits of Quantitation, PTs performed, and the dates these activities were performed.

#### Deliverables

The contractor shall electronically submit a DOCs and QA Activities report to the TOCOR no later than the first Monday of each Month.

# September 26, 2013 – September 25, 2014 Analytical Services (Non-Superfund) Contract # EP-W-07-083

Task Order # 47 **TOCOR: Ness Tirol** 

#### Government Quality Assurance Surveillance Plan

Task Area I – Analytical Support	Performance Requirement	Performance Standard(s)	Acceptable Quality Level (AQL)	Method of Surveillance
Task 1: Task Order Management	Contractor shall prepare and submit weekly reports	Reports shall contain status of all tasks, estimated labor hours for all tasks and estimated costs for cost reimbursable portion	Reports should be 100%complete	COR/TOCOR will evaluate the report for completeness
Task 1: Task Order Management		Report shall be submitted to the COR every Wednesday by COB	Report should be submitted on time no less than 100% of the time	COR/TOCOR will review reports submitted for timeliness
Task 1: Task Order Management	Analytical deliverables are submitted with a cover letter	Analytical deliverables contain a cover letter	Analytical deliverables shall contain a cover letter no less than 100% of the time	TOCOR will evaluate analytical deliverables for completeness
Task 1: Task Order Management	Analytical deliverables are peer reviewed	All analytical deliverables are peer reviewed and the peer review is performed at a technical level appropriate to the data and the review is technically sound	Analytical deliverables are peer reviewed no less than 100 % of the time and peer review is conducted at the appropriate technical level	TOCOR will evaluate the analytical deliverables for compliance with peer review criteria and for evidence the peer review was conducted at the appropriate technical level
Task 1: Task Order Management	Contractor will notify the TOCOR/COR whenever completion of a task or submission of deliverable will not meet the schedule	Contractor will notify the TOCOR/COR in writing or e-mail of failure to meet a scheduled due date. All missed dates will be reported in the Monthly Performance Evaluation Reports	Notification received by the TOCOR/COR at least two (2) business days before the deliverable due date	TOCOR/COR will track the status of tasks in progress or deliverables and evaluate the timeliness.
Task 1: Task Order Management	Contractor will provide justification for the delay and provide revised completion dates.	Justification for delay is due to circumstances beyond contractor control and revised completion dates are reasonable.	The delay was beyond the contractor and the revised completion schedule will allow the deliverable to fulfill the task requirements.	The TOCOR will evaluate the status of tasks in progress and completion schedule. The TOCOR and/or COR will evaluate the justification and the revised completion dates.

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# Analytical Services (Non-Superfund) Contract # EP-W-07-083

Task Order # 47 **TOCOR: Ness Tirol** 

Task Area I – Analytical Support	Performance Requirement	Performance Standard(s)	Acceptable Quality Level (AQL)	Method of Surveillance
Task 2: Analytical Support	Contractor shall perform environmental sample analyses designed to meet the mission of the EPA Region 2. Sample analysis includes sample preparation, sample analysis, reporting results and documentation of all analytical activities.	Data of known quality will be generated by compliance with all QA/QC criteria specified in technical documentation, e.g. SOPs, and guidance used by the contractor.  Documentation that samples were analyzed correctly (as per the SOP or method used) must exist.	Analyses will be performed compliant with the sample analysis procedures and protocols specified in the technical documentation. Documentation that samples were analyzed appropriately as per the appropriate SOPs and R2 LQMP will be no less than 100% complete.	The TOCOR will evaluate the raw data/data results and reports for evidence the analyses were performed in strict conformance with the stated requirements and met the QA/QC criteria as required by the appropriate SOPs and R2 LQMP.
Task 2: Analytical Support	Adequacy of the data for its intended use	Analytical data will conform with the criteria specified in the SOPs or TDs, e.g. appropriate reporting limits, special instruction followed, special reporting limits achieved, appropriate analytes determined	Analytical data must conform to the criteria specified in the SOPs or TD	The TOCOR will evaluate the analytical data for confirmation of compliance with criteria specified in the SOPs or TD
Task 2: Analytical Support	Documentation of all work performed	All analytical work will be documented in accordance with the protocols specified in the SOPs and guidance documents. Records must be adequate with respect to completeness and reconstructability.	Documentation will be complete and in sufficient detail to be able to reconstruct all aspects of the work.	The TOCOR will evaluate the documentation for compliance with the record keeping requirements in SOPs and guidance documents.
Task 2: Analytical Support	Submission of deliverables	Timeliness: analytical deliverables will be submitted within 3 business days (or less, if stated in TD) prior to the due date listed on the Project Status Report.	Analytical deliverables are submitted three (3) business days before the due date indicated on the Project Status Report.	The TOCOR will review and evaluate deliverables for conformance with delivery criteria
Task 2: Analytical Support	Determination of labor cost/analyses as per the contract SOW, preparation of a report/form for each batch of analyses completed during the reporting period. Compliance with the computed labor cost/analyses per batch of analyses.	Contractor will prepare and submit monthly a report containing the labor cost analyses as per contract SOW and labor cost/analyses per batch of samples during the reporting period.	The reports shall be submitted within ten (10) calendar days of the close of the reporting month.	TOCOR will review and evaluate reports for conformance with the delivery criteria.

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#### Task Order # 47

TOCOR: Ness Tirol

Task Area I – Analytical Support	Performance Requirement	Performance Standard(s)	Acceptable Quality Level (AQL)	Method of Surveillance
Task 2: Analytical Support		Contractor will perform the work in compliance with the computed labor cost/analyses per batch specified in the TD based on the environmental samples to be analyzed.	The contractor will perform the assigned tasks within the computed labor cost/analyses per batch no less than 95 % of the time. A batch shall be defined as 20 environmental samples	The TOCOR will review and evaluate contractor compliance for conformance with the specified labor cost/ analyses per batch.
Task 2: Analytical Support	Contractor maintains and provides documentation of completion of demonstration of capability for all analytical work performed.	Contractor will prepare and submit documentation of completion of demonstration of capability according to NELAC - Quality Systems Appendix C. Documentation will include signed statement of completion and all data generated during the demonstration of capability.	Documentation of completion of the demonstration of capability will be provided for no less than 95 % of the time.	The TOCOR will review and evaluate the submission of the documentation of the demonstration of capability
Task 2: Analytical Support		All technical requirements specified in the NELAC - Quality Systems Appendix C.	Technical requirements will be performed compliant with the criteria specified in NELAC.	The TOCOR will review and evaluate contractor compliance for conformance with the specified criteria.
Task 2: Analytical Support	Method Detection Limit (MDL) determinations will be performed according to EPA SOP G-8.	All technical requirements specified in the <u>SOP</u> will be completed for all analytes/parameters on all instruments.	Technical requirements will be performed according to the criteria specified in the procedure	The TOCOR will review and evaluate contractor compliance for conformance with the criteria specified in the procedure.
Task 2: Analytical Support	Method Detection Limit (MDL)	MDL determinations will be performed under the conditions specified in the SOP or Laboratory Quality Management Plan.	The contractor will perform MDL determinations when there is new methodology, a significant change in methodology, or instrumentation.	The TOCOR will track the completion of MDL determinations to ensure conformance.
Task 2: Analytical Support	Method Detection Limit (MDL)	The contractor will submit documentation of the completion if the Method Detection Limit studies. Documentation will include a summary report for analyte/parameter/instrument results plus all analytical data generated.	Documentation of the Method Detection Limit determination will be provided no less than 95 % of the time.	The TOCOR will review and evaluate the submission of the documentation of the Method Detection Limit determination.

#### **September 26, 2013 – September 25, 2014**

# Analytical Services (Non-Superfund) Contract # EP-W-07-083

Task Order # 47 **TOCOR: Ness Tirol** 

Task Area I –	Performance	Performance	Acceptable	Method of
Analytical Support	Requirement	Standard(s)	Quality Level (AQL)	Surveillance
Task 2: Analytical Support	Laboratory Information Management System (LIMS) contractor peer review and validation of the analyses in the LIMS data system.	All environmental sample data in electronic format -LIMS will be peer reviewed and the analyses validated electronically.	LIMS peer review and validation of the analyses will be completed no less than 98 % of the time.	The TOCOR will evaluate the compliance for peer review and validation of the analyses by checking each project in the LIMS
Task 2: Analytical Support		Data verified by an independent peer reviewer for accuracy and completeness.	Data verified for accuracy no less than 98 % of the time. Data verified for completeness no less than 98 % of the time.	The TOCOR will evaluate compliance for accuracy and completeness checks for each LIMS project.
Task Area II – QA/QC Support	Performance Requirement	Performance Standard(s)	Acceptable Quality Level (AQL)	Method of Surveillance
Task 1: Develop and/or Review Analytical Methodologies	The contractor shall conduct method development and provide technical support for new procedures and related QA activities.	Method development shall be conducted in strict conformance with specific requirements provided by the EPA to include verification of acceptable performance of the analytical method, analytical instrumentation and the adequacy of the QA/QC	Analytical methods developed will be 98 % compliant with the criteria and specific requirements provided by EPA	The TOCOR will evaluate the method development results for compliance with the technical requirements provided.
Task 1: Develop and/or Review Analytical Methodologies	Method development will be adequately documented.	Documentation and records must be adequate and complete to allow analysts with appropriate technical knowledge to reproduce the results.	The documentation and records will be no less than 98 % complete and in sufficient detail to be able to reconstruct all aspects of the work.	The TOCOR will review and evaluate the documentation and records for compliance with the criterion of reconstructibility.
Task 2: Maintenance and Development of Standard Operating Procedures (SOPs)	Contractor will review and implement SOPs for all laboratory methods, procedures and protocols.	SOPs will contain sufficient technical information and details to allow a Laboratory analyst to complete all tasks covered in the SOP and generate data of known and acceptable quality.	Over 98 % of the time, SOPs will allow a laboratory analyst to reproduce the procedure and generate data of known and acceptable quality.	The COR and/or TOCOR will periodically select SOPs for review and audit for compliance.
Task 3: Maintenance of Demonstration of Capability (DOC) QA Report and QA Activities	QA Activities and DOCs Reports	The contractor will submit monthly QA Activities and DOC Status reports. The QA Activities Status report will include the status of pending QA activities (i.e. corrective actions, internal audits, etc). The DOC Status report will include the status of pending and recently performed DOCs.	The contractor will submit the QA Activities and DOC status Reports on the first Monday of the month no less than 98% of the time. Report will be no less than 98% complete and accurate.	The TOCOR will review and evaluate the report.

# STATEMENT of WORK September 26, 2013 – September 25, 2014 Analytical Services (Non-Superfund) Contract # EP-W-07-083 Task Order # 47 TOCOR: Ness Tirol